

Title (en)

A piezoelectric transformer having improved electrode arrangement

Title (de)

Piezoelektrischer Transformator mit verbesserter Elektrodenanordnung

Title (fr)

Transformateur piézo-électrique à agencement d'électrodes amélioré

Publication

EP 0605901 B1 19961009 (EN)

Application

EP 93121127 A 19931230

Priority

JP 36017492 A 19921231

Abstract (en)

[origin: EP0605901A1] A long thin rectangular body of piezoelectric material is divided, in the longitudinal direction thereof, into a plurality of regions which include at least one driving region and at least one driven region. The driven region includes two electrodes which are formed such as to respectively cover opposite side surfaces of the driven region in a plane parallel to the longitudinal direction and to respectively extend inwardly in a transverse direction of the body by a predetermined amount over two major surfaces of the driven region. The driven region is polarized in a lateral direction of the body. As an alternative, the driven region is provided with two electrodes each of which consists of a pair of relatively narrow strip-like portions. The strip-like portions of one electrode extend over the two major surfaces adjacent to one edge of the driven region in the longitudinal direction of the body. The strip-like portions of the other electrode are similarly provided at the opposite side of the driven region. The driven region is polarized in a direction perpendicular to the longitudinal direction of the body. <IMAGE> <IMAGE>

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CPC (source: EP US)

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Cited by

US5811913A; EP0665600A1; US5705879A; EP0693789A3; US5777425A; CN1082257C; US6188163B1; WO9819348A1

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